

FIRMWARE HISTORY

INTRODUCTION

Evolis is conducting for many years a general policy to improve the quality and features of his printer range. This document describes modifications and improvements from original firmware release 1346 to the latest available from Evolis website version 1935 published on December 2019.

SUMMARY

Related printers' models:

- **Evolis Zenius**
- **Evolis Primacy**
- **Evolis Elypso**
- **Evolis KC200**
- **Evolis KC200B**

- **Edikio Duplex**
- **Edikio Flex**

Additional Modules

- **Lamination Module (CLM)**
- **LCD**
- **Locking System**

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VERSION HISTORY

22/11/2019



Firmware version – 1935 (855E)

IMPORTANT NOTICE: 1935 firmware version cannot be downgraded to previous firmware version.

For printer equipped with following module, below update are mandatory:

- **LCD:** 1909 – (evoLCD_1909_03B1.lcdfirm)
- **Lamination Module:** 1920 – (1920_LAM_V2.45_0DC1.lamfirm)



Printers excluded:

- KC200 / KC200B
- ALTESS / ALTESS ELITE
- ISSENGO
- EDIKIO DUPLEX / FLEX
- Additional Module: Kineclipse

New features:

- New Wifi Module management
- New Bezel management
- New commands

Improvements:

- Power supply management
- Communication mode management (USB stack and TCP/IP stack)
- Card Insertion and ribbon management
- Printing with white area
- Edikio: management and printing speed of white ribbon

LCD

- Improve language management
- Improve message box management
- Modify some messages to be coherent with EPS message

30/11/2018



Firmware version – 1802 (0389)

IMPORTANT NOTICE: 1802 firmware version concerned only Edikio flex.

New features:

- Print quality improvement (equivalent as Edikio Duplex printer)

04/04/2018

Firmware version – 1801 (0431)



For printer equipped with following module, below update are mandatory:

LCD:

- **LCD:** 1743 – (evoLCD_1743_C9C2.lcdfirm)
- **LCD Bitmap:** 1.55 – (Dark_155_D5E3.lcdbmp)

New features:

- Unified to be compliant with Edikio Flex printer
- Edikio Flex: Add card format auto-detection (limited to 210mm)

Improvements:

- Edikio: management and printing speed of white ribbon
- New ribbon insertion management
- “Escape” commands
- Communication between LCD and printer
- Ribbon’s management (SOKO, YMCKO)
- LCD management and messages
- LCD communication
- Ethernet management
- Error management
- Card’s transportation management
- Cards’ feeding for Issengo
- Kineclipse management
- Locking system management

Bugfixes:

- Test card printout
- 600 DPI resolution management

14/03/2017

Firmware version – 1709 (C9C1)



IMPORTANT NOTICE: 1709 firmware version concerned only **Edikio Duplex**.

New features:

- Compliance with Edikio Duplex printer

13/03/2017

Firmware version – 1708 (CD65)

- Improvement of magnetic buffer read (new commands)
- Bug fix on global card counter (greater than 2 147 483 648)

20/01/2017



Firmware version – 1701

IMPORTANT NOTICE: 1701 firmware version cannot be downgraded to previous firmware version.

- Memory initialization improvement for all printers manufactured originally with firmware version older than 1604

18/01/2017



Firmware version – 1652

IMPORTANT NOTICE: 1652 firmware version cannot be downgraded to previous firmware version.

New features:

- Alternate ribbon management (lamination film)
- Locking system management
- Commands sequence management

Improvements:

- Lamination module management
- LCD management improvement
- Overlay management
- Black mark detection on KO ribbon
- Card Lamination Module “black mark” sensor adjustment
- Status displayed on LCD during encoding
- Ethernet communication
- USB data transfer
- Magnetic data encoding

02/09/2016

Firmware version – 1618

Quality, management and bug fixes improvements:

- Monochrome ribbon management with 600 – 1200 DPI resolution
- Improvements of LCD display management
- Limitation of current peak (110v-120 Volts) sent by the power supply
- Half YMCKOKO ribbon synchronization issue

30/05/2016



Firmware version – 1614

IMPORTANT NOTICE: 1614 firmware version cannot be downgraded to previous firmware version.

Quality, management and bug fixes improvement:

- Compatible with LCD option
- New Monochrome speed feature
- Ethernet communication improvement

18/02/2016



Firmware version – 1604

IMPORTANT NOTICE: 1604 firmware version cannot be downgraded to previous firmware version.

Quality, management and bug fixes improvement:

- Add support for new Evolis KC200 and KC200B printer
- TCP/IP communication improvement
- Unichroma ribbon management for CORE product
- Advanced cleaning speed management with the 'T' card
- SOKO ribbon synchronization improvement
- 600 and 1200 DPI printing improvement
- Network IP address on technical test card
- Ribbon compatible Zoning
- Magnetic encoding message improvement with JIS configuration
- Improvement of returns message with the 'Sa' command
- Improvement of command to disable Low Card Sensor
- Improvement of returns message with the 'St' or 'Stt' commands when the printer is locked
- Printing improvement with yellow contrast setting higher than 12
- Printing improvement in double side with YMCKOK ribbon

10/07/2015



Firmware version – 1526

IMPORTANT NOTICE: 1526 firmware version cannot be downgraded to previous firmware version.

Quality, management and bug fixes improvement:

- New option of 300x600 DPI and 300x1200 DPI resolution for monochrome ribbon
- New option of 300x600 DPI resolution for color ribbon
- Add Rlr;e command to detect the ribbon end
- Web Page correction
- Add feeder configuration to set the motor speed for standard hopper or manual hopper
- Add command Rdram
- Add commands Pcsc and Rcsc to set the cleaning step
- RFID tag's data reading Improvement
- Add commands to manage the near empty sensor
- Add specific sequence for Ethernet download in 600 and 1200 dpi mode
- Quality Improvement on half panel ribbon
- Ethernet communication improvement

13/02/2015

Firmware version – 1506

Quality, management and bug fixes improvement:

- Internal font replacement
- Hopper full detection improvement
- USB enumeration change, now the device is seen as USB2.0
- Web page improvement (standby/sleep mode settings)
- Ethernet communication improvement
- Magnetic head cleaning improvement
- Add command Scp;Mag to clean magnetic head only
- Quality Improvement on half panel ribbon
- USB communication improvement for Linux

14/10/2014

Firmware version – 1441

Quality, management and bug fixes improvement:

- Improvement on SOKO and 1/3 YMCKOK ribbon synchronization
- New option on the Rlr command to know the hopper full state. "Rlr;h" will returns CARD or NO CARD. Rlr;h;1 will returns 1 (full) or 0 (empty)
- Improvement of hopper sensor sensibility
- Monochrome compressed bitmap (Dbc) compatibility improvement
- Improvement of Dbmp over Ethernet for Linux Operating System
- Ethernet communication improvement for quicker answer of the printer
- Better card detection sharpness in the flip-over module

04/03/2014



Firmware version – 1413

IMPORTANT NOTICE: 1413 firmware version cannot be downgraded to previous firmware version.

Quality, management and bug fixes improvement:

- Elypso Printing quality correction (same quality level as Primacy)
- Half YMCKO ribbon management improvement
- Improved "non-standard" printing sequence like YKO/KO with YMCKO ribbon
- Sa;c command now available with KO ribbon
if the Sa;c command is sent with a KO ribbon, ensure to send again a Sa;c command if you replace the KO ribbon by a YMCKO
- Add new special ribbons for project only
- Increased general color ribbon synchronization
- Motor management during magnetic encoding phase
- Cleaning card detection
- Improved panel count (more accurate) in case of specific printing sequence
- Improved sleep mode management (prevent printer restart when going to sleep mode)

15/11/2013

Firmware version – 1346

Quality, management and bug fixes improvement:

- Ribbon synchronization feature command Prm;3;[0 or 1]
0 no ribbon synchronization after printer powered on (default)
1 Ribbon synchronization activated after power on
- Ribbon Synchronization improvement for KO ribbon
- Disable ribbon movement after shutdown to enhance synchronization
- Print density improvement for half and short panel ribbon
- Step value changed for brightness and contrast (5% instead of 10%, more accurate, better printing quality)
- Color sensor management gain
- Ethernet communication improved for Dbmp command
- Magnetic encoding over Ethernet improved (ISO & JIS2)



FIRMWARE HISTORY

INTRODUCTION

Evolis is conducting for many years a general policy to improve the quality and features of his printer range. This document describes modifications and improvements from original firmware release 4.00 to the latest available from Evolis website version 5.60 published on November 21th, 2019.

SUMMARY

Related printers' models:

- **Evolis Avansia**

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Avansia Firmware version – 5.60	2
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Avansia Firmware version – 4.60	2
Avansia Firmware version – 4.50	2
Avansia Firmware version – 4.4	2
Avansia Firmware version – 4.23	3
Avansia Firmware version – 4.1	3
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VERSION HISTORY

21/11/2019

Avansia Firmware version – 5.60

- Compliance with Avansia Lamination solution
- Improved Black non printing area (function "Bk sub-heat Adj" to the user mode)
- Improved Hologram position (function "Print HRZ Holo" to the service mode)
- Improved Power save Mode
- Bug fix in the service mode display

10/04/2018

Avansia Firmware version – 5.00

- Add setting to adjust start position for magnetic encoder
- Improved magnetic encoder process (add specific characters)
- Improved ribbon consumption
- Improved magnetic encoder process
- Improved Power save Mode

17/01/2017

Avansia Firmware version – 4.60

- Color shifting improvement
- Better card transportation between flip-over unit and encoder modules
- Improved black management
- Improved management for dual sided design and YMCFK ribbon
- Improvement of cleaning card jam management

17/01/2017

Avansia Firmware version – 4.50

- Improvement of color shifting thanks to management of film extension

05/06/2016

Avansia Firmware version – 4.4

- Optimized transfer parameter for Hologram film transfer

18/06/2015

Avansia Firmware version – 4.23

- Adjusting menu for feeding direction Color shifting into User mode.
- Functional Extension command spec for acquiring and updating parameters.
- Network communication improvement.

27/03/2015

Avansia Firmware version – 4.1

- Test printing pattern for adjusting clear film wrinkle is added.
- RFID communication retry function is added.

21/08/2014

Avansia Firmware version – 4.00

- Initial Firmware.

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